CONTENTS

VOLUME 29, 1982

CONTENTS

NUMBER 1, JANUARY 1982

Linear Airway Dimensions in Children: Including Those With Cleft Palate
G.A.R. MORGAN AND D.J. STEWARD

A Pre-Formed Paediatric Orotracheal Tube Design Based on Anatomical Measurements
G.A.R. MORGAN AND D.J. STEWARD 9

Arterial to End-Tidal Carbon Dioxide Tension Difference in Children Under Halothane Anaesthesia NIELS VALENTIN, BJARNE LOMHOLT AND MAJA THORUP 12

The Fate of Phenobarbitone in Children in Hypothermia and at Normal Body Temperature
D. KADAR, B.K. TANG AND A.W. CONN 16

Epidural β-Endorphin in Treatment of Pain T. OYAMA, S. FUKUSHI AND T. JIN 24

Antacid Anticholinergic Regimens in Patients Undergoing Elective Caesarean Section Patients DAVID M. DEWAN, A. SCOTT WHEELER, FRANCIS M. JAMES III, HERBERT M. FLOYD AND LEONARD RHYME 27

Lorazepam and Diazepam as Adjuncts to Epidural Anaesthesia for Caesarean Section
B.Y. ONG, B.G. PICKERING, R.J. PALAHNIUK AND M. CUMMING 31

Hypermagnesaemia and Anaesthetic Management
MICHAEL N. SKAREDOFF, EDWARD R. ROAF AND SANJAY DATTA 35

Masseter Spasm Induced By Succinylcholine in Children: Contracture Testing For Malignant Hyperthermia. Report of Six Cases
EUGENE H. FLEWELLEN AND THOMAS E. NELSON 42

Management of a Malignant Hyperthermia Patient During Cardiopulmonary Bypass
R.J. BYRICK, D.K. ROSE AND N. RANGANATHAN 50

Effects of Neostigmine and Pyridostigmine on Serum Cholinesterase Activity
R.K. MIRAKHUR, T.D. LAVERY, L.P. BRIGGS AND R.S.J. CLARKE 55

Effect of Enflurane and Fentanyl on the Clinical Characteristics of Long-term Succinylcholine Infusion F. DONATI AND D.R. BEVAN 59

Effect of Protamine on Plasma Ionized Calcium in the Dog
RONALD M. JONES, ANNE B. HILL, MICHAEL L. NAHRWOLD AND ALAN R. TAIT 65

Recurrent Ventricular Tachycardia Associated with Gangrene
RICHARD M. FORSTER AND DENNIS T. MANGANO 68

Subcutaneous Facial Emphysema Complicating Dental Anaesthesia
B. MILNE, HOWARD KATZ, JOSÉ K. ROSALES, I.K. ASSIMES AND STEPHANE SCHWARTZ 71

Man-Machine Interface: The Position of the Anaesthetic Machine in the Operating Room
J.W.R. MCINTYRE 74

Letters To The Editor

Epidural Morphine LAURENCE CHIU, PETER CHAN AND KENNETH TSE 79

Failure of 4-Aminopyridine Inotropic Effect
E. MARTINEZ-AGUIRRE AND JAIME A. WIKINSKI 79

Premedication For Paediatric Day-Care Surgery B. KAY 80

Defective Tracheal Tube Connector W. DOUGLAS LAHAY 80

Postoperative Oxygen P.B.K. CHAN 81

Book Reviews 82

Obituary 84

Meetings 85

Système International 87

NUMBER 2, MARCH 1982

Variable Effects of Anaesthetics on the Ventilatory Response to Hypoxaemia In Man
R.L. KNILL AND J.L. CLEMENT 93

Ventilation Following Induction of General Anaesthesia with Thiopentone
MICHEL GERMAIN, W.M. WAHBA AND D.M.M. GILLIES 100

The Baroresponses of Preterm Infants during Halothane Anaesthesia GEORGE A. GREGORY 105

Intravenous Nitroglycerin for Control of Blood Pressure During Resection of Phaeochromocytoma W.N. MCDONALD, W.A. DOLL, N. SCHMIDT AND C. REYNOLDS 108

Prediction of the Need for Postoperative Mechanical Ventilation in Myasthenia Gravis: Thymectomy Compared to Other Surgical Procedures
RAYMER P. GRANT AND LEONARD C. JENKINS 112

Limitations of Jet Ventilation Through the Laryngoscope
I. WINERMAN, S. EZRA, A. MAN AND S. SEGAL 117

A Coaxial Circle Circuit: Comparison with Conventional Circle and Bain Circuit
JOHN SHANDRO 121

Plasma Catecholamine Levels During Extracorporeal Circulation in Children
M. YAMASHITA, S. WAKAYAMA, A. MATSUKI, M. KUDO AND T. OYAMA 126

The Effects of Acute Elevation of Blood Pressure on Myocardial Performance During Enflurane and Enflurane with Nitrous Oxide Anaesthesia in Man
P.C. DUKE, M. MORTON AND S. TROSKY 130

Stable Muscle Relaxation During Abdominal Surgery Using Combined Intravenous Bolus and Demand Infusion: Clinical Appraisal with ORG NC45
A.A. D'HOLLANDER, R. CZERUCKI, A. DEVILLE AND F. CUVELIER 136

Meperidine Infusion for Postoperative Analgesia in Grossly Obese Patients
J.S. SPRIGGE, D.S.R. EAST, G.S. FOX, R.I. OGILVIE, P.E. OTTON AND D.R. BEVAN 142

Prophylactic Intramuscular Ephedrine Before Epidural Anaesthesia for Caesarean Section: Efficacy and Actions on the Foetus and Newborn
STEPHEN H. ROLBIN, A.F.D. COLE, ERNEST M. HEW, A. POLLARD AND SUSAN VIRGINT 148

The Use of Halothane in a Patient with Asymmetrical Septal Hypertrophy: A Case Report
J.A. REITAN AND R.G. WRIGHT 154

Anaesthesia for Open-Heart Surgery in Haemodialysis-Dependent Patients: A Report of Two Cases FORREST B. ALLEN AND PETER B. KANE 158

Malignant Hyperthermia: A Disease of Specific Myofiber Type?
THOMAS E. NELSON AND SYDNEY S. SCHOCHET, JR. 163

A Micro-Computerized Anaesthetic Record System A. ZISSOS AND L. STRUNIN 168

A Formal Audit as Continuing Medical Education: Anaesthesia for Neurosurgery
J.W.R. MCINTYRE AND J.G. PURDELL-LEWIS 174

Letters to the Editor

Thermal Injury By Liquid Nitrous Oxide DOUGLAS B. CRAIG 181

Use of the Fiberoptic Laryngoscope JONATHAN D. LAMB 181

Fiberoptic Laryngoscope A.M. LAM 182

Hazard of Blocked Scavenge Valve LESLIE RENDELL-BAKER 182

Unsuspected Phaeochromocytoma DAVID A. BITTAR 183

Erratum R.J. BYRICK, D.K. ROSE AND N. RANGANATHAN 184

Obituary 185

Meetings 186

Système International 188

NUMBER 3, MAY 1982

Charles Waterton (1782–1865): Curare And A Canadian National Park J.R. MALTBY 195
Studies on the Interaction of Barbiturates with Reactive Oxygen Radicals: Implications Regarding Barbiturate Protection Against Cerebral Ischaemia DAVID V. GODIN, MARY JANE MITCHELL AND BRIAN A. SAUNDERS 203
Hypertension Following Coronary Artery Bypass Graft W. MCILVAINE, M. BOULANGER, J.G. MAILLÉ, B. PAIEMENT, J. TAILLEFER AND P. SAHAB 212
The In-Vitro Caffeine Contracture Test: Influence of the Muscle Histochemical Profile on Test Results A.K.W. BROWNELL AND M. SZABO 218
Cerebral Blood Flow and Metabolism Following Ketamine Administration MARGARET SCHWEDLER, DAVID J. MILETICH AND RONALD F. ALBRECHT 222
Comparison of Thiopentone and Midazolam for Induction of Anaesthesia: Influence of Diazepam Premedication BRENDAN T. FINUCANE, JULIAN JUDELMAN AND REBECCA BRASWELL 227
Failure of Narcotic Antagonist to Alter Electroacupuncture Modification of Halothane Anaesthesia in the Dog, AYE-AYE L. TAY, CHIN-KAI TSENG, NATHAN L. PACE, K.C. WONG AND BENECIA C. HONG-GOKA 231
Maltose as an Energy Substrate During Surgery: Comparison of Maltose With Glucose KAZUYA AONO, NOBUKO KAWACHINO AND KUNIHIKO SATOH 236
Correction of the Unfavourable Effects of Vasopressin by Nitroglycerin Infusion V. LANZA, I. DEMMA, A. CALI AND G. CASTRONOVO 243
Anaesthetic Considerations in Patients with Muscular Dystrophy Undergoing Spinal Fusion and Harrington Rod Insertion BRIAN MILNE AND JOSÉ K. ROSALES 250
Anaesthetic Implications of Neonatal Necrotizing Enterocolitis KENNETH A. HASELBY, STEPHEN F. DIERDORF, GOPAL KRISHNA, CHALAPATHI C. RAO, THOMAS M. WOLFE AND WILLIAM L. MCNIECE 255
Effect of Nitrous Oxide Anaesthesia on Homocystine Excretion JOAN C. BEVAN, D.S. ROSENBLATT, CAROL L. CLOW AND VALERIE A. CHAPMAN 260
A Comparison of T_4 and T_7 Dermatomal Levels of Analgesia for Caesarean Section Using Lumbar Epidural Technique J.B. CRAFT, JR., M.R. ROIZEN, S.D. DAO, M. EDWARDS AND R. GILMAN 264
Femoral Nerve Block for Fractured Shaft of Femur ANTAPPA SHANTAPPA TONDARE AND ARVIND VITHALRAO NADKARNI 270
Systemic Air Embolism Following Manual Lung Inflation J.A. TRACEY AND V. VARTIAN 272
Pre-Hospital Analgesia with Entonox N. DONEN, W.A. TWEED, D. WHITE, B. GUTTORMSON AND J. ENNS 275
Resistance To Pancuronium in an Asthmatic Patient Treated with Aminophylline and Steroids ISAAC AZAR, DARSHIN KUMAR AND ALBERT M. BETCHER 280
Letters To The Editor
Continuous Infusion Epidural Analgesia H.J.C. TAYLOR 283
Mera F and Bain Circuits
Resistance to Breathing M.R. NOTT AND J. NORMAN 284
Reply R.J. BYRICK 284
Postoperative Sore Throat DIMITRI A. COZANITIS 285
Epidural Morphine D.W. FEAR AND JOHN HOLMES 286
Epidural Morphine J. SELWYN CRAWFORD 286
Acid Aspiration in Obstetrics JAMES P. SOUTHWICK 287
Effects of Neostigmine and Pyridostigmine on Serum Cholinesterase Activity R.K. MIRAKHUR, R.S.J. CLARKE AND P.S. COLLIER 287
Monitoring Breath Sounds J.W.R. MCINTYRE 288
A New Anaesthetic Hazard? M.C. CROCKER 288
Book Reviews 289
Meetings 290
Système International 292

NUMBER 4, JULY 1982

Anaesthesia for Cerebral Arteriovenous Malformations in Children
M.E. MCLEOD, R.E. CREIGHTON AND R.P. HUMPHREYS 299

Anaesthetic Management of Arteriovenous Malformations of the Vein of Galen
M.E. MCLEOD, R.E. CREIGHTON AND R.P. HUMPHREYS 307

Effects of Calcium on the Coronary and Systemic Circulation in Patients after Coronary Surgery E.A. MOFFITT, D.H. SETHNA, R.J. GRAY, J. BUSSELL, C.M. CONKLIN AND J.M. MATLOFF 313

The Influence of Chronic Preoperative Propranolol Therapy on Cardiovascular Dynamics and Narcotic Requirements During Operation in Patients with Coronary Artery Disease
T.H. STANLEY, S. DE LANGE, M.J. BOSCOE AND N. DE BRUIJN 319

A Brief History of Anaesthesia and Surgery of the Heart and Great Vessels
KENNETH K. KEOWN 325

Changing Trends in Cardiac Disease and Cardiac Surgery DWIGHT C. MCGOON 330

Cardiac Surgery and Haemodynamic Monitoring H.J.C. SWAN 336

Anaesthesia for Cardiac Patients Having Non-Cardiac Operations J. EARL WYNANDS 341

Inhibition of the Cardiovascular Effects of Lysine Acetylsalicylate by Propranolol in Dogs During Halothane Anaesthesia D.C. LEE, M.Y. LEE AND D.H. CLIFFORD 349

Sodium Citrate Premedication in Elective Caesarean Section Patients
D.M. DEWAN, W.D.R. WRITER, A.S. WHEELER, F.M. JAMES, III, H.M. FLOYD, T.D. BOGARD AND L. RHYNE 355

Epidural Morphine for Analgesia after Caesarean Section
F.J. CARMICHAEL, S.H. ROLBIN AND E.M. HEW 359

Cancer, Chemotherapy and Anaesthesia F. CHUNG 364

Strabismus as a Possible Sign of Subclinical Muscular Dystrophy Predisposing to Rhabdomyolysis and Myoglobinuria: A Study of an Affected Family K.B. LEWANDOWSKI 372

Effects of Massive Overdose of Epidural Morphine Sulphate
P.J. MASOUD AND C.D. GREEN 377

The Effect of Oral Castor Oil on the Disposition of Methyprylon in Intoxicated Dogs
P.R. GWILT, M.C. PANKASKIE AND J.J. MITALA 381

Postoperative Sore Throat Related to Tracheal Tube Cuff Design
O. STENQVIST AND K. NILSSON 384

Resistance to Gas Flow in the "New" Anaesthesia Circuits: A Comparative Study
J. SHANDRO 387

Bilateral Pneumothorax with Pneumomediastinum under Anaesthesia in a Healthy Female
M. RAMACHANDRAN, V.C. DULAY, Z.A. LOBO AND J.B. KURIYAN 391

Neostigmine Reversal of D-Tubocurarine and Pancuronium Bromide Combinations in Man
D.Z.N. FRANKEL 395

Canadian Anaesthetists' Society Medal 399

Letters to the Editor

Scavenging Valve RONALD J. LUICH 403

Masseter Spasm Induced by Succinylcholine C.E. FAMEWO 403

Defective Tracheal Tube Connector HENRI DESMEULES 404

Defective Pressure/Flow Alarm W. DOUGLAS LAHAY 404

Epidural Narcotics in Pre-eclampsie EZIO VINCENTI 405

Infection Risk of Epidural Catheters F.R. CHRISTENSEN AND L.W. ANDERSEN 406

Book Reviews 408

Meetings 412

Système International 414

NUMBER 5, SEPTEMBER 1982

Editorial: Continuing Medical Education: Learning Preferences of Anaesthetists/Education Medicale Continue: Preferences des Anesthesistes — I.E. PURKIS 421

Uptake of Nitrous Oxide by Man — ROBERT VIRTUE, DUANE L. SHERRILL AND GEORGE D. SWANSON 424

Middle Ear Pressure Variations During Nitrous Oxide and Oxygen Anaesthesia — LUC PERREAULT, NICOLE NORMANDIN, LYNE PLAMONDON, ROBERT BLAIN, PIERRE ROUSSEAU, MICHEL GIRARD AND GUY FORGET 428

Nitrous Oxide Administration in the Presence of Subcutaneous Emphysema – An Experimental Model — THOMAS J. POULTON, LARRY W. HALDEMAN AND EDWIN S. MUNSON 435

Sleep Aponea Syndrome and Anaesthesia — FRANCES CHUNG AND RONALD R. CRAGO 439

Comparative Trial of the Effect of Ranitidine and Cimetidine on Gastric Secretion in Fasting Patients at Induction of Anaesthesia — J.M. DURRANT AND L. STRUNIN 446

Deliberate Hypotension for Spinal Fusion: Prospective Randomized Study with Evoked Potential Monitoring — BETTY L. GRUNDY, CLYDE L. NASH JR., AND RICHARD H. BROWN 452

Cerebral Vascular Responses to Ketamine and Thiopentone During Foetal Acidosis — BRIAN G. PICKERING, RICHARD J. PALAHNIUK, JACQUES COTE, JOHN G. WADE AND MICHAEL G. PASH 463

Perturbation Fonctionelle Prolongee de la Secretion de Prolactine Aprés Chirurgie sous Neuroleptanalgesie — YVES JULLIEN, GÉRARD DESCH, ANDRÉE BONARDET, DOMINIQUE ALLOUA, MARC DE RODEZ, BERNARD DESCOMPS ET JACQUES DU CAILAR 468

Leakage of Volatile Anaesthetics from Agent-Specific Keyed Vapourizer Filling Devices — J.M. DAVIES, L. STRUNIN AND D.B. CRAIG 473

Excessive Blood Loss During Operation in the Patient Treated with Prophylthiouracil — SHIGEMASA IKEDA AND JOHN F. SCHWEISS 477

Duration of Intradermal Anaesthesia with Mixtures of Bupivacaine and Lidocaine — P.T. SWEET, D.A., MAGEE AND A.J.C. HOLLAND 481

Cardiovascular Collapse Associated with Nitrous Oxide Anaesthetic: A Case Report — JOHN R. DAVIDSON AND HERBERT M. CHINYANGA 484

Dose Requirement of Local Anaesthetic to Produce Grand Mal Seizure During Stellate Ganglion Block — R. KOZODY, L.B. READY, J.E. BARSA AND T.M. MURPHY 489

"Liquid Stylet" for Percutaneous Radial Artery Cannulation — JOSEPH A. STIRT 492

Abstracts of Papers Presented at the Annual Meeting of the Canadian Anaesthetists' Society, Quebec, Que., 22–26 May, 1982.

Haemodynamic Effect of a New Vasodilator, Nicergoline, During Sternotomy in Open Heart Surgery — F. PRIGNET, C. HUBSCHER, G. OKSENLHENDLER, R. SOYER AND C. WINKLER 494

Myocardial and Systemic Effects of Nitroglycerin, Given Awake and During Anaesthesia — E. MOFFITT, D. SETHNA, R. GRAY, J. BUSSELL, M. RAYMOND AND J. MATLOFF 494

Haemodynamic Responses and Serum Fentanyl Levels During Fentanyl Infusion Anaesthesia — J.M. SPRIGGE, J.E. WYNANDS, D.G. WHALLEY, D. BEVAN, H. NATHAN, G. TOWNSEND AND Y. PATEL 495

Fentanyl Infusion Anaesthesia for Patients with Poor Ventricular Function Undergoing Aorto-coronary Bypass Surgery — J.E. WYNANDS, P. WONG, D.G. WHALLEY, J. SPRIGGE, G. TOWNSEND, AND Y. PATEL 496

Intravenous Anaesthetic Agents Reversibly Depress Superoxide Dependent Chemiluminescence In Human Polymorphonuclear Lencocytes — I.W.C. WHITE, A.W. GELB, H.R. WEXLER AND P.A. KEOWN 496

Error In Estimating Sensible Heat Loss From the Respiratory Tract — F.G. KING, H.J. MANSON, J.W. SNELLEN AND K.S. CHANG 497

Local Anaesthetics Inhibit Platelet Aggregation — ALEXANDER W. GOTTA AND COLLEEN A. SULLIVAN 497

Nitrous Oxide Effects On Po_2 Measurements in the Operating Room: Shift of the Oxyhaemoglobin Curve — LOUIS FOURNIER AND DIANE MAJOR 498

Change in the Tympano-Ossicular System Under General Anaesthesia With Nitrous Oxide And Oxygen — N. NORMANDIN, L. PERREAULT, L. PLAMANDON, P. ROUSSEAU, R. BLAIN, M. GIRARD AND G. FORGET 498

(*Continued on next page*)

NUMBER 5, SEPTEMBER 1982 (*Continued*)

A Pharmacokinetic Study of Heparin and Protamine in Relation to Heparin Rebound
G.S. CLARK, C. CASTRO, S.J. TEASDALE, M. GRADY AND M.F.X. GLYNN 499
Prehospital Rhythm Deterioration in a System Providing Only Basic Life Support
W.A. TWEED AND N. DONEN 500
Fertility and Reproduction After Male Exposure to Halothane
W.D.B. POPE AND T.V.N. PERSAUD 500
Etude Clinique de Differents Opiaces par voie sous Arachnoidiene
C. DEVAUX, M.C. ROUSSIGNOL, G. OKSMENDERL AND C. VINCKLER 500
A Double Blind Comparison of Dezocine, Butorphanol and Placebo for Postoperative Pain Relief
B.T. FINUCANE, J.B. FLOYD, D.J. PETRO AND R. BRASWELL 500
The Effectiveness of Ranitidine as a Prophylaxis Against Gastric Aspiration Syndrome
D.H. MORISON, G.L. DUNN, A.M. FARGAS-BABJAK, G.C. MOUDGIL, K.G. SMEDSTAD AND J. WOO 501
Oral Diazepam Premedication: Effect on Anxiety Levels and Succinylcholine – Induced Muscle Pains
A.O. DAVIES 501
Zomepirac and Meperidine as Analgesic Premedications
G.L. DUNN, D.H. MORISON, AND A.M. FARGAS-BABJAK 502
Succinylcholine Fasciculations: Failure of Suppression by Small Doses of Dantrolene
HENRY K. GYASI, SYLVAIN DELISLE AND DAVID R. BEVAN 503
ORG-NC45 as the Sole Muscle Relaxant A. WILLIAMS, H.K. GYASI AND D R. BEVAN 503
Are Present Day Oropharyngeal Airways Outdated? R.T. WILLIAMS 504
Evaluation of the Jet Injector in Paediatric Bronchoscopes I.A.J. SLOAN AND M.E. MCLEOD 504
Physical Characteristics of Paediatric Tracheal Tubes B.G. ANDERTON AND D.J. STEWARD 504
Potentiation of D-Tubocurarine by Isoflurane in Infants D.J. STEWARD 504
Post-Anaesthetic Recovery in Young Children: Morphine Infusion Compared with Halothane and Isoflurane H.M. CHINYANGA, V. VANDENBERGHE, S.J. SOLDIN AND S. MACLEOD 505
Haemodynamics of Halothane Anaesthesia Plus Fentanyl
L. ABRAMS, R. GRIEPP, A. ERGIN AND M. MATSUOKA 505
Site of the Selective Action of Halothane on the Peripheral Chemoreflex Arc
R.L. KNILL, A.M. LAM AND J.L. CLEMENT 506
Hypertension Post-Chirurgie Cardiaque: Influence de la Conduite Peri-Operatoire
J. BUSSIERES, M. HEROUX, H. JONCAS AND P. RANDOUR 506
Reversal of Succinylcholine Tachyphylaxis with Isoflurane Anaesthesia
F. DONATI AND D.R. BEVAN 507
The Anti-Arrhythmic Effects of Verapamil and Propanolol in Aminophylline Toxic Dogs
ROBERT M. FRIESEN AND JORGE F. BONET 507
Hypertension Post-operatoire en Chirurgie de Pontage Coronarien: Incidence en Fonction du Morphinique Employe J.F. HARDY, M. BOULANGER, J.G. MAILLE, J. TAILLEFER, P. SAHAB AND M. DELORME 508
The Effect of Metocurine and Metocurine-Pancuronium Combination on Intraocular Pressure
A.J. CUNNINGHAM, C. PATRICK KELLY, JAMES FARMER AND A.G. WATSON 508
Ventilatory Compensation for Continuous Loads During Halothane Anaesthesia in Man
C.A. MOOTE, R.L. KNILL AND J.L. CLEMENT 509
Haemodynamic Effects of Intravenous Nitroglycerin in Patients with Coronary Artery Disease
W.A.C. MUTCH, J.D. CULLIGAN AND I.R. THOMSON 509
Haemodynamic Effects of Intra-Aortic Versus Intravenous Protamine for Reversal Of Heparin in Swine KENT H. ROGERS, BRIAN MILNE AND TOMAS A. SALERNO 510
High Dose Fentanyl Infusion and Renin Response to Open Heart Surgery
G. TOWNSEND, J.E. WYNANDS, D.G. WHALLEY, D. BEVAN AND Y. PATEL 511

Letter to the Editor
Spasme des Masseters ROLAND ROY 512
Obituaries
Dr. J.H.A. Lawrence 513
Dr. W.S. Caldwell 513
Book Reviews 514
Erratum – Tracey, J.A., & Vartian, V., Systemic Air Embolism Following Manual Lung Inflation Can. Anaes. Soc. J., 29: 272 515
Meetings 516
Système International 518

NUMBER 6, NOVEMBER 1982

Haemodynamic and Plasma Vasopressin Responses with High Dose Fentanyl Anaesthesia During Aorto-Coronary Bypass Operations — L.A. CRONE, N. WILSON, J. NGSEE, K.W. TURNBULL AND K.M. LEIGHTON 525
Haemodynamic and Catecholamine Response to Isoflurane Anaesthesia in Patients Undergoing Coronary Artery Surgery — KANTEERAVA BALASARASWATHI, SILAS N. GLISSON, ADEL A. EL-ETR, AND NAGAPRASADARAO MUMMANENI 533
Bolus Intravenous Nitroglycerin for ST-Segment Depression not Associated with Increased Myocardial Oxygen Demand — ERCUMENT A. KOPMAN AND ARTHUR F. DEL REAL 539
Myxoedema and Open Heart Surgery: Anaesthesia and Intensive Care Unit Experience — D.C. FINLAYSON AND JOEL A. KAPLAN 543
Comparison of the Caffeine Skinned Fibre Tension Test with the Caffeine-Halothane Contracture Test in the Diagnosis of Malignant Hyperthermia — BEVERLEY A. BRITT, WANDA FRODIS, ELIZABETH SCOTT, MARY-JEAN CLEMENTS AND LASZLO ENDRENYI 550
Arginine Vasopressin Response to Anaesthesia Produced by Halothane, Enflurane and Isoflurane — K.M. LEIGHTON, S.L. LIM AND N. WILSON 563
Clinical Experience with ORG NC45 (NORCURON) as the Sole Muscle Relaxant — A. WILLIAMS, H. GYASI, C. MELLONI AND D.R. BEVAN 567
Effect of Atropine on Bradydysrhythmias Induced by Succinylcholine Following Pretreatment with D-Tubocurarine — D.A. MAGEE, P.T. SWEET AND A.J.C. HOLLAND 573
Cardiac Effects of Self-Taming of Succinylcholine and Repeated Succinylcholine Administration — D.A. MAGEE, P.T. SWEET AND A.J.C. HOLLAND 577
Trimethaphan-Induced Hypotension: Effect on Renal Function — RAHIM BEHNIA, ADRIAN MARTIN, ESMAIL KOUSHANPOUR AND EDWARD A. BRUNNER 581
Analgésie Péridurale à Dose Élevée de Fentanyl: Echec De La Méthode pour La Kinésthérapie Post-Opératoire Précoce avec Chirurgie Du Genou — M. PIERROT, M. BLAISÉ, A. DUPUY, S. HUGON ET M. CUPA 587
Anaesthesia Considerations in Down's Syndrome: Experience with 100 Patients and a Review of the Literature — MARTIN KOBEL, R.E. CREIGHTON AND D.J. STEWARD 593
Effets Ventilatoires de Débits Croissants d'Alfatésine Chez le Chien — JEAN-HENRI GAUDY, CLAUDE DAUTHIER, JEAN-FRANCOIS BOITIER ET FRANÇOIS FERRACCI 600
Meperidine-Promethazine Combination and Learning Function of Mice and of their Progeny — JACK CHALON, LAURA WALPERT, SIVAM RAMANATHAN, MARK EISNER, CHAN-KVEI TANG, ROBERT KATZ AND HERMAN TURNDORF 612
The Effect of Metocurine and Metocurine-Pancuronium Combination on Intraocular Pressure — ANTHONY J. CUNNINGHAM, C. PATRICK KELLY, JAMES FARMER AND A. GARNER WATSON 617
Alfathesin and Etomidate for Minor Outpatient Anaesthesia — DAVID H. MORISON, GEOFFREY L. DUNN AND ANNA DE GRAFT-JOHNSON 622
Malignant Hyperpyrexia and Duchenne Muscular Dystrophy: Report of a Case — SHIGEHIRO OKA, YOSHIO IGARASHI, AKIO TAKAGI, MITSUHIRO NISHIDA, KAZUO SATO, KAZUMASA NAKADA AND KAZUYUK IKEDA 627
Unusual Resistance to Pancuronium in Severely Burned Patients — M. YAMASHITA, T. SHIGA, A. MATSUKI AND T. OYAMA 630
A Case of Acute Hyperpyrexia with Violent Shivering Immediately after Operation Under Epidural Anaesthesia Supplemented by Nitrous Oxide — M. YAMASHITA, K. HONDA, H. IHA, S. KONDO, A. MATSUKI AND T. OYAMA 632
Securing Epidural Cathethers — BRIAN L. DUFFY 636
Letters to the Editor
Postoperative Sore Throat — A.R. HUNTER 638
Castor Oil and Drug Absorption — M.J. DIAMOND, R.J. LEE, M. KEERI-SZANTO AND Y.S. BROWNSTONE 638
Pharmacokinetics of Meperidine Infusion — LAURENCE E. MATHER AND JOHN B. BENTLEY 639
Neostigmine and Atropine Administration — J.F. RICHARDS 640
The President/Le President 641
Canadian Anaesthetists' Society Prize/Prix de la Société Canadienne des Anesthésistes 642
Residents' Programme Prizes 1982/Prix du Concours des Résidents 1982 643
Scientific Exhibit Prizes Annual Meeting 1982/Laureats Du Concours des Montages Scientifiques, Congrés Annuel 1982 644
Audiovisual Programme Prize Annual Meeting 1982/Laureat du Concours Audiovisuel Congrés Annual 1982 644
Book Reviews 645
Meetings 649
Système International 652
Index of Authors 659
Index of Subjects 666
Table of Contents Volume 29 677